CHARACTERISTICS SUMMARY

"Super Constellation"

WING AREA 1,650 Sq. Ft.
WING SPAN 126' - 2"
LENGTH 116' - 2"
HEIGHT 27' - 0"

<table>
<thead>
<tr>
<th>AVAILABILITY</th>
<th>PROCUREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUMBER AVAILABLE</td>
<td>NUMBER DELIVERED IN FISCAL YEARS</td>
</tr>
<tr>
<td>ACTIVE</td>
<td>RESERVE</td>
</tr>
</tbody>
</table>

STATUS

First Flight: 15 July 1955
Service Use: September 1955

ENGINES

Wright (2) R-3350-34
BHP, RPM, ALT.
T.O. 3,250 2,900 S. L. 5,000' 2,550 2,600 16,700
NORM. 2,600 2,600 S. L. 2,650 2,600 6500'
SPEC. NO. N-972A

FEATURES

CREW .......... 11
Fowler flaps
Boosters Control Surf.
Rubber deicer boots
pressurized fuselage

ELECTRONICS

Normal compliment of electronics plus provisions for CIC equipment
WEATHER EQUIPMENT
Vorher thermometer
Psychrometer JL-313/AM
Barometer
Flight Recorder (Cont'd)
CHARACTERISTICS SUMMARY

BASIC MISSION

- 10,000 Ft.

S.L. Search Radius

*Climb or descend to search altitude.

PERFORMANCE

<table>
<thead>
<tr>
<th>COMBAT RADIUS</th>
<th>COMBAT RANGE</th>
<th>SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>*1,1890 naut. mi.</td>
<td>3,790 naut. mi.</td>
<td>242 knots at S.L. ft.</td>
</tr>
<tr>
<td>212 knots avg.</td>
<td>212 knots avg.</td>
<td>265 knots at 9,000 ft.</td>
</tr>
<tr>
<td>*Zero search time _</td>
<td>_</td>
<td>272 knots at 19,100 ft.</td>
</tr>
<tr>
<td>Time on station at 1,000 n.mi.</td>
<td>radius: S.L. 10.3 hr</td>
<td>Combat Weight</td>
</tr>
<tr>
<td>10,000 ft. 9.4 hr</td>
<td>20,000 ft. 7.3 hr</td>
<td>Normal Power</td>
</tr>
</tbody>
</table>

CLIMB

810 ft./min.

Sea Level, T. O. wt.

Normal Power

CEILING

19,200 ft.

100 ft./min., T. O. wt.

Normal Power

TAKE OFF

5,600 ft. - Calm

Sea Level, Combat wt.

Normal Power

LOAD

WEIGHTS

STALLING SPEED

Fuel 8,750 gal.

Empty 81,961 lbs.

Flaps down, T. O. wt.

Combat 123,700 lbs.

TIME TO CLIMB

Take-off 144,900 lbs.

10,000 ft. in 14.4 min.

NOTES

RANGE AND RADIUS are based on WV-2 flight test fuel consumption data increased by 5%.

Weather Equipment (Cont'd)

Icing rate meter and radiosonde